|                                |                          |  |  |                            |                          |        |                |               | ·                | - 2 1            |                |
|--------------------------------|--------------------------|--|--|----------------------------|--------------------------|--------|----------------|---------------|------------------|------------------|----------------|
| Work Orde<br>Thursday, Novem   |                          |  |  |                            |                          |        |                |               | RUS              | >1]              | Page 1         |
| Item ID:<br>Revision ID:       | D412-702-31              | 5  |  | Accept                     |                          |        |                | s             | etup Star        |                  |                |
| Item Name:                     | Harness Assen            | nbly                                     |  |                            |                          |        |                |               | Stop             | ·                |                |
| Start Date:<br>Required Date:  | 11/18/2010<br>11/18/2010 | Start Qty: 1.00<br>Req'd Qty: 1.00       |  |                            | Cust Item I<br>Customer: | D:     |                |               |                  |                  |                |
| Reference:                     |                          |  | I Junier Ival I and                        |                            |                          |        |                |               |                  |                  |                |
| Approvals:                     |                          | n: MF                                    | Date: 10-11-18                             | Tooling:                   | Da                       | ate:   | <del>-</del> - | R             | Run Star<br>Stoj |                  |                |
|                                | QC:                      |  | Date:                                      | <b>SPC (Y/N):</b>          | Da                       | ate:   |                |               | 5101             |                  |                |
| Sequence ID/<br>Work Center ID |                          | Operation<br>Description                 |  | Set Up/<br>Run Hours       | Tool ID                  | Tool # | Plan<br>Code   | Accept<br>Qty | Reject<br>Qty    | Reject<br>Number | Insp.<br>Stamp |
| Draw Nbr                       | Rev                      | ision Nbr                                |  |                            |                          | -      |                |               | <del></del>      |                  |                |
| DSI 9511                       | A                        |  |  |                            |                          |        |                |               |                  |                  |                |
| 100<br>Small Fab               |                          | Memo                                     | ·  | 0.00                       |                          |        |                | 4             | 300              | /11/18           | - 0            |
| Small Fab                      |                          |  | e as per dwg ICA D412-702 g                | 1.49                       |                          |        | •              |               | ŕ                |                  |                |
|                                |                          | QC5- Inspect part co                     | mpleteness to step on W/O                  | N6) 8                      | 1,6                      |        |                |               |                  |                  |                |
| QC<br>Quality Control          |                          | Memo                                     |  | 0.00                       | (*8                      |        |                | (10           |                  |                  |                |
|                                |                          |  |  | 0.00                       |                          |        |                | $\Lambda$     | <i>ulle</i>      | 50               |                |
| Packaging                      |                          | Memo                                     |  | 0.00                       |                          |        |                |               | (111/2           | - Year           |                |
| Packaging                      |                          | Identify<br>CHG001<br>Location<br>PPP Re | with P/N & CHG# and pack fo<br>: Sey<br>:: | r shipping as per PPP D412 | 2-702-315                |        |                |               |                  | ı                |                |

| Dart Ae                               | rospace l | _td               |                      |                              |              |              |                  |                               | e                        |
|---------------------------------------|-----------|-------------------|----------------------|------------------------------|--------------|--------------|------------------|-------------------------------|--------------------------|
| W/O:                                  |           |                   | WC                   | RK ORDER CHANGES             |              |              | <del>,</del> , " |                               |                          |
| DATE                                  | STEP      | PRO               | PROCEDURE CHANGE     |                              |              |              |                  | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|                                       |           |                   |                      |                              |              |              |                  |                               |                          |
|                                       |           |                   |                      |                              |              |              |                  |                               |                          |
|                                       |           |                   |                      |                              |              |              |                  |                               |                          |
| Part No                               | :         | PAR #:            | Fault Cate           | gory: N                      | ICR: Yes     | No <b>DQ</b> | A:               | _ Date: _                     |                          |
|                                       | Res       | solution:         | Disposition          | n: G                         | A: N/C C     | losed:       |                  | Date: _                       |                          |
| NCR:                                  |           |                   | WORK ORDE            | ER NON-CONFORMANO            | CE (NCI      | 7)           |                  |                               |                          |
| DATE                                  | OTED      | Description of NC |                      | Corrective Action Section B  |              | Verific      | ation            | Approval                      | Approval                 |
| DATE                                  | STEP      | Section A         | Initial<br>Chief Eng | Action Description Chief Eng | Sign<br>Date | &   Section  |                  | Chief Eng                     | QC Inspector             |
|                                       |           |                   |                      |                              |              |              |                  |                               |                          |
|                                       |           |                   |                      | •                            |              |              |                  |                               |                          |
|                                       |           |                   |                      |                              |              |              |                  |                               |                          |
| · · · · · · · · · · · · · · · · · · · |           |                   |                      |                              |              |              |                  |                               |                          |

#### Work Order ID 63900

Thursday, November 18, 2010 11:57:15 AM



Page 2

Item ID:

D412-702-315

Accept

Setup Start



Stop

**Revision ID:** 

Harness Assembly **Item Name:** 

**Start Date:** 

11/18/2010

Start Qty: 1.00

**Required Date:** 11/18/2010

Req'd Qty: 1.00



Date: \_\_\_\_\_

**Cust Item ID:** 

**Customer:** 

Tool ID

Reference:

Approvals:

Process Plan: QC:\_\_\_\_

Operation

Date: Tooling:

Date:

Tool # Plan

Code

Date:

Stop

Reject

Qty



Sequence ID/

**Work Center ID** 

130

Description QC21- Final Inspection - Work Order Release

Memo

Set Up/ **Run Hours** 

SPC (Y/N):

0.00

0.00

Run

Accept

Qty

Start



Reject Insp.

Number Stamp

Quality Control

| Dart Ae | rospace | e Ltd  |                      |                              |             |                  | •                             | ₹ + %                    |
|---------|---------|--|----------------------|------------------------------|-------------|------------------|-------------------------------|--------------------------|
| W/O:    |         | The second secon | W                    | ORK ORDER CHANGE             | S           |                  |                               |                          |
| DATE    | STEP    | PRO  | CEDURE CHA           | ANGE                         | Ву          | Date Qt          | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|         |         |  |                      |                              |             |                  |                               |                          |
|         |         |  |                      |                              |             |                  |                               |                          |
|         |         |  |                      |                              |             |                  |                               |                          |
|         |         |  |                      |                              |             |                  |                               |                          |
|         |         |  |                      |                              |             |                  |                               |                          |
| Part No | :       | PAR #:   | Fault Cate           | egory:                       | NCR: Yes    | No <b>DQA:</b> _ | Date: _                       |                          |
|         | R       | esolution:   | Disposition          | on:                          | QA: N/C Clo | sed:             | Date: _                       |                          |
| NCR:    |         | V  | VORK ORD             | ER NON-CONFORMAI             | NCE (NCR    | )                |                               |                          |
| ·       |         | Description of NC  |                      | Corrective Action Section    | n B         | Verification     | n Approval                    | Approvai                 |
| DATE    | STEP    | Section A  | Initial<br>Chief Eng | Action Description Chief Eng | Sign & Date | Section C        | Chief Eng                     | QC Inspector             |
|         |         |  |                      |                              |             |                  |                               |                          |
|         |         |  |                      |                              |             |                  |                               |                          |
|         |         |  |                      |                              |             |                  |                               |                          |

|      |           | Description of NC                     |                      | Corrective Action Section B  |                | Verification | Ammuoval              | Ammunual                 |
|------|-----------|---------------------------------------|----------------------|------------------------------|----------------|--------------|-----------------------|--------------------------|
| DATE | DATE STEP | Description of NC Section A           | Initial<br>Chief Eng | Action Description Chief Eng | Sign &<br>Date | Section C    | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |           |                                       |                      |                              |                |              |                       | :                        |
|      |           |                                       |                      |                              |                |              |                       |                          |
|      |           | e e e e e e e e e e e e e e e e e e e |                      |                              |                |              |                       |                          |
|      |           |                                       |                      | <b>.</b>                     |                |              |                       |                          |
|      |           |                                       |                      |                              |                |              |                       |                          |
|      |           |                                       |                      |                              |                |              |                       |                          |
|      |           |                                       |                      |                              |                |              |                       |                          |
|      |           |                                       |                      |                              |                |              |                       |                          |
|      |           |                                       |                      |                              |                |              |                       |                          |

## **Picklist Print**

Thursday, November 18, 2010 11:57:14 AM

Work Order ID: 63900

D412-702-315

Parent Item Name: Harness Assembly



**Start Date:** 11/18/2010

Required Date: 11/18/2010

Start Qty: 1.00

Required Qty: 1.00

Parent Item:

IPP Rev: A new issue DD 10.04.30 verified: EC

| ~   |                        |               |             |                     |                  |                 |                    |                |             |                 |               |                |        |
|---|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|-----------------|---------------|----------------|--------|
| Component Item ID/<br>Item Name   | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty    | Qty<br>Issued | Date<br>Issued | Status |
| 03573-5<br><b>1111   11</b> |                        | Manufactured  | No          |                     |                  | 100             | Each               | 41.0000        | 1           | 151             | 5/4/          | /8             |        |
|   |                        |               |             | Location            | <u>I</u>         | Loc             | <u>Oty</u>         | Loc Code       |             |                 | •             |                |        |
|   |                        |               |             | ST244               |                  |                 | 41                 |                | ,           |                 |               |                |        |
|   |                        |               |             |                     | 31863            |                 | 41                 |                | _           | 1               | _             |                |        |
| 04088-041<br>   |                        | Manufactured  | No          |                     |                  | 100             | Each               | 16.0000        | 1           | 1/5             | 0/11          | /18            |        |
|   |                        |               |             | Location            | <u>!</u>         | Loc             | <b>Q</b> ty        | Loc Code       |             | <b>/</b> .      | ,             |                |        |
|   |                        |               |             | ST272A              |                  |                 | 16                 |                | _           |                 | -             |                |        |
|   |                        |               |             |                     | 62323            |                 | 16                 |                | _           |                 | _             |                |        |
| 4S24693-S272  |                        | Purchased     | No          |                     |                  | 100             | Each               | 173.0000       | 4           | 4               | 10/11         | /18            |        |
|   |                        |               |             | Location            | 1                | Loc             | <u>Otv</u>         | Loc Code       |             |                 | ·             |                |        |
|   |                        |               |             | ST288               |                  |                 | 173                |                | _           |                 | _             |                |        |
|   |                        |               |             |                     | 111548           |                 | 1                  |                | _           |                 | _             |                |        |
|   |                        |               |             |                     | 112492           |                 | 72                 |                | _           | 9               | _             |                |        |
| N960JD10LL  |                        |               |             |                     | 115835           |                 | 100                |                | _           |                 | _             |                |        |
|   |                        | Purchased     | No          |                     |                  | 100             | Each               | 4,195.000      |             | <del>2</del> 5/ | 0/11/         | /8             |        |
|   |                        |               |             | <u>Location</u>     | <u>!</u>         | Loc             | <u>Oty</u>         | Loc Code       |             |                 |               |                |        |
|   |                        |               |             | ST349               |                  |                 | 4195               |                | ·<br>       |                 | _             |                |        |
|   |                        |               |             |                     | 19085            |                 | 472                |                | _           |                 | mar.          |                |        |
|   |                        |               |             |                     | 19600            |                 | 3723               |                | _           | 4               | _             |                |        |

| Dart Ae                               | rospace | <b>Ltd</b>                     |                      |  |                  |                  |            |   | r . b                    |
|---------------------------------------|---------|--------------------------------|----------------------|--|------------------|------------------|------------|---|--------------------------|
| W/O:                                  |         |                                | W                    | ORK ORDER CHANGE                                       | ES               |                  |            | <del> </del>                            |                          |
| DATE                                  | STEP    | PRO                            | OCEDURE CHA          | NGE  | Ву               | Date             | Qty        | Approval<br>Chief Eng /<br>Prod Mgr     | Approval<br>QC Inspector |
|                                       |         |                                |                      |  |                  |                  |            | :                                       |                          |
| · · · · · · · · · · · · · · · · · · · |         |                                |                      |  |                  |                  |            |   |                          |
|                                       |         |                                |                      |  |                  |                  |            |   |                          |
| Part No                               | :       | PAR #:                         | Fault Cate           | gory:  | NCR: Yes         | No DQ            | <b>A</b> : | _ Date: _                               |                          |
|                                       | R       | esolution:                     | Dispositio           | n:   | QA: N/C C        | osed:            |            | Date:                                   |                          |
| NCR:                                  | :       |                                | WORK ORD             | ER NON-CONFORMA  | NCE (NCF         | R)               |            | . ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                          |
| DATE                                  | STEP    | Description of NC<br>Section A | Initial<br>Chief Eng | Corrective Action Section Action Description Chief Eng | on B Sign 8 Date | Verific<br>Secti |            | Approval<br>Chief Eng                   | Approval<br>QC Inspector |
|                                       |         |                                | Olifor Ling          | Cillel Ling  | Date             |                  |            |   |                          |
|                                       |         |                                |                      |  |                  |                  |            |   |                          |
|                                       |         |                                |                      |  |                  |                  |            |   |                          |

## **Picklist Print**

Thursday, November 18, 2010 11:57:14 AM

Work Order ID: 63900

Parent Item: D412-702-315

Parent Item Name: Harness Assembly

Start Date: 11/18/2010

**Required Date:** 11/18/2010

Page 2

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

100

Each 1,733.000

|

| <b>Location</b> | Loc Qty |
|-----------------|---------|
| ST300           | 1733    |
| 114784          | 737     |
| 115835          | 996     |
|                 |         |

Loc Code

4

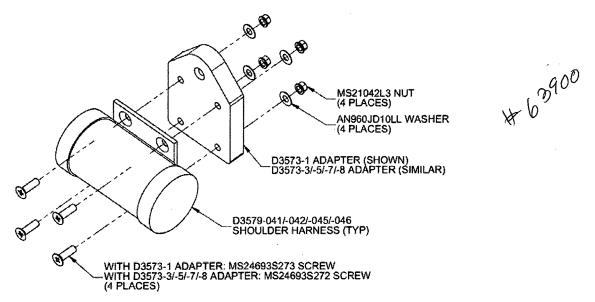
Thursday, November 18, 2010 11:57:14 AM

**Shop Packet Print** 

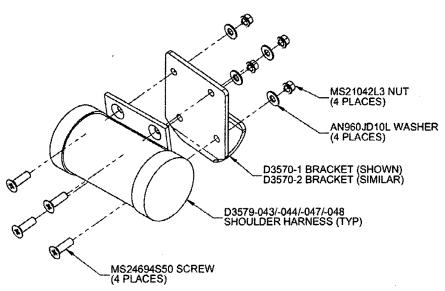
Page 2

| Dart Ae | rospace l | _td               |                      |                              |             |              |            | 1 , 5                    |
|---------|-----------|-------------------|----------------------|------------------------------|-------------|--------------|------------|--------------------------|
| W/O:    |           |                   | WC                   | RK ORDER CHANGES             |             |              |            |                          |
| DATE    | STEP      | PRO               | PROCEDURE CHANGE     |                              |             |              |            | Approval<br>QC Inspector |
|         |           |                   |                      |                              |             |              |            |                          |
|         |           |                   |                      |                              |             |              |            |                          |
|         |           |                   |                      |                              |             |              |            |                          |
| Part No | :         | PAR #:            | Fault Cate           | gory:No                      | CR: Yes     | No DQA:      | Date: _    |                          |
|         | Res       | solution:         | Disposition          | n: Q.                        | A: N/C C    | losed:       | Date: _    |                          |
| NCR:    |           | ,                 | WORK ORDE            | ER NON-CONFORMANC            | E (NCF      | ₹)           |            |                          |
| D.4.T.F | 0755      | Description of NC |                      | Corrective Action Section B  |             | Verification | n Approval | Approval                 |
| DATE    | STEP      | Section A         | Initial<br>Chief Eng | Action Description Chief Eng | Sign & Date | Section C    | Chief Eng  | QC Inspector             |
|         |           |                   |                      |                              |             | ;            | 1          |                          |
|         |           |                   |                      |                              |             |              |            |                          |
|         |           |                   |                      |                              |             |              |            |                          |
| ****    |           |                   |                      |                              |             |              |            |                          |

ICA Page 79 (80 blank) of 98



DETAIL 'K' D412-702-101A/-103A/-105A/-107A/-109A/-115A/-117A AND D412-702-101B/-103B/-105B/-107B/-109B/-115B/-117B HARNESS ASSEMBLIES (BELTS, K6.2 CLIP AND D3569-1/-2/-3 DECAL NOT SHOWN)



DETAIL 'L' D412-702-111A/-111B/-113A/-113B HARNESS ASSEMBLIES (BELTS AND D3569-1/-2/-3 DECALS NOT SHOWN)

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## DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF TCCA STC SH04-7

REF FAA STC SR01997NY

REF EASA STC EASA.I.M.R.S.00710

REFERENCE ONLY

This service instruction adds several kits equipped with improved inertia reels:

The Dart **D412-702-341** 13-Man Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for all 13 passenger seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-041B kit, as detailed in Table 1 of this service instruction.

The Dart **D412-702-343** 5-Man Forward Facing Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for the 5 forward facing seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-043B kit, as detailed in Table 1 of this service instruction.

The Dart **D412-702-345** 4-Man Shoulder Hamess Kit provides 3-point hamesses with inertia reels and joined lap and shoulder belts for the 4 aft facing seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The hamesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-045B kit, as detailed in Table 1 of this service instruction.

The Dart **D412-702-347** 4-Man Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for the 4 side facing seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-047B kit, as detailed in Table 1 of this service instruction.

The Dart **D412-702-349** 1-Man Shoulder Harness Kit provides a 3-point harness with an inertia reel and joined lap and shoulder belts for the center forward facing seating position in the aircraft cabin. The kit also contains hardpoints for securing the harness. The harness for this kit meets the requirements of TSO-C114 and replaces the existing lap belts. This kit should be installed similar to the **D412-702-049B** kit, as detailed in Table 1 of this service instruction.

The Dart **D412-702-351** 1-man 3-point shoulder hamess kits are available for the outboard seats of the 5-man forward facing bench in Bell 205/212/214/412 model aircraft. The kit can be installed LH or RH. These kits should be installed similar to the D412-702-051B/-052B kits, as detailed in Table 1 of this service instruction.

The Dart **D214-702-337** 5-Man Aft Facing Shoulder Harness Kit provides 3-point harnesses with inertial reels and joined lap and shoulder belts for the 5-man aft facing seat installed in the Bell 214B/B1 model aircraft. This kit should be installed similar to the D214-702-037B kit, as detailed in Table 1 of this service instruction.

The Dart **D205-702-353** 4-Man Aft Facing Shoulder Harness Kit provides 3-point harnesses with inertial reels and joined lap and shoulder harnesses for the 4-man aft facing seat installed in the UH-1 model aircraft. This kit should be installed similar to the D205-702-053B kit, as detailed in Table 1 of this service instruction.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

BY: D. SHEPH#RD (DE # 02)

| A       | NEW IS | SUE  |  | CP         | 10.03.18               |
|---------|--------|------|--|------------|------------------------|
| REV.    |        |      | DESCRIPTION  | BY         | DATE                   |
| DESIGN  |        | P    | DART AEROSPA   | CE         | LTD                    |
| DRAWN   |        | 9?   | HAWKESBURY, ONTARIO  | , CAN      | ADA                    |
| CHECKE  | ED     |      | DRAWING NO.  |            | REV. A                 |
| MFG. AF | PPR.   | N/A  | DSI 9511   | 5          | HEET 1 OF 6            |
| APPRO\  | VED    | 10.  | TITLE  |            | SCALE                  |
| DE APPI | R.     | -    | NEW SHOULDER HARNESS   | KITS       | NTS                    |
| DATE    | 10.03  | 3.18 | COPYRIGHT © 2010 BY DART AER THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICIATE WRITTEN PERMISSION FROM DART AEROSI | THE EXPRES | S CONDITION THAT IT IS |

#### INSTALLATION

## **REFERENCE ONLY**

The Dart D412-702-3XX kits should be installed similar to the kits in Installation Instructions IIN-D412-702 Rev. E or Dart Service Instruction (DSI) listed below:

#### TABLE 1

| Part Number                  | Description                       | Install similar to:  |
|------------------------------|-----------------------------------|--|
| D412-702-341                 | Shoulder Harness Kit              | D412-702-041B (IIN-D412-702, DSI 9408)   |
| D412-702-343                 | Shoulder Harness Kit              | D412-702-043B (IIN-D412-702, DSI 9453 [214], DSI 9408)                             |
| D412-702-345                 | Shoulder Harness Kit              | D412-702-045B (IIN-D412-702, DSI 9469)   |
| D412-702-347                 | Shoulder Harness Kit              | D412-702-047B (IIN-D412-702, DSI 9408)   |
| D412-702-349                 | Shoulder Harness Kit              | D412-702-049B (IIN-D412-702, DSI 9408)   |
| D412-702-351                 | Shoulder Harness Kit              | D412-702-051B (LH) (DSI 9397, DSI 9408)<br>D412-702-052B (RH) (DSI 9397, DSI 9408) |
| D214-702-337                 | Shoulder Harness Kit              | D214-702-037B (DSI 9454)   |
| D205-702-353                 | Shoulder Harness Kit              | D205-702-053B (DSI 9460)   |
| D412-702-301<br>D412-702-303 | Harness Assembly Harness Assembly | D412-702-101B (IIN-D412-702)<br>D412-702-103B (IIN-D412-702)                       |
| D412-702-305                 | Harness Assembly                  | D412-702-105B (IIN-D412-702)   |
| D412-702-307                 | Harness Assembly                  | D412-702-107B (IIN-D412-702)   |
| D412-702-309                 | Harness Assembly                  | D412-702-109B (IIN-D412-702)   |
| D412-702-311                 | Harness Assembly                  | D412-702-111B (IIN-D412-702)   |
| D412-702-313                 | Harness Assembly                  | D412-702-113B (IIN-D412-702)   |
| D412-702-315                 | Harness Assembly                  | D412-702-115B (IIN-D412-702)   |
| D412-702-317                 | Harness Assembly                  | D412-702-117B (IIN-D412-702)   |
| D412-702-319                 | Harness Assembly                  | D412-702-119B (DSI 9454)   |
| D412-702-321                 | Harness Assembly                  | D412-702-121B (DSI 9454, DSI 9469)   |
| D412-702-323                 | Harness Assembly                  | D412-702-123B (DSI 9454, DSI 9469)   |

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

BY: D. SHEPHERD (DE # 02)

| DESIGN     | P    | DART AEROSPACE LTD  |                             |  |  |  |  |  |  |
|------------|------|---|-----------------------------|--|--|--|--|--|--|
| DRAWN      | 97   | HAWKESBURY, ONTARIO, CANAD  | HAWKESBURY, ONTARIO, CANADA |  |  |  |  |  |  |
| CHECKED    |      | DRAWING NO.   | REV. A                      |  |  |  |  |  |  |
| MFG. APPR. | N/A  | DSI 9511 SH   | EET 2 OF 6                  |  |  |  |  |  |  |
| APPROVED   | 10   | TITLE   | SCALE                       |  |  |  |  |  |  |
| DE APPR.   |      | NEW SHOULDER HARNESS KITS   | NTS                         |  |  |  |  |  |  |
| DATE 10.0  | 3.18 | COPYRIGHT © 2010 BY DART AEROSPACE L THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS O NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER WRITTEN PERMISSION FROM DART AEROSPACE LTD. | ONDITION THAT IT IS         |  |  |  |  |  |  |

#### **PARTS LIST**

#### TABLE 2

| QTY<br>-341 | QTY<br>-343 | QTY<br>-345                                      | QTY<br>-347                                      | QTY<br>-349                                      | QTY<br>-351                                      | Part Number             | Description  |
|-------------|-------------|--|--|--|--|-------------------------|--|
| х           |             |  |  |  |  | D412-702-341            | Dart 13-Man 3-Point<br>Shoulder Harness Kit            |
|             | Х           |  |  |  |  | D412-702-343            | Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit |
| <del></del> |             | Х  |  |  |  | D412-702-345            | Dart 4-Man 3-Point Aft Facing<br>Shoulder Harness Kit  |
|             |             |  | х  |  |  | D412-702-347            | Dart 4-Man 3-Point Side Facing<br>Shoulder Harness Kit |
|             |             |  |  | х  |  | D412-702-349            | Dart 1-Man 3-Point Forward<br>Shoulder Harness Kit     |
|             |             |  |  |  | Х  | D412-702-351            | Dart 1-Man 3-Point<br>Shoulder Harness Kit             |
| 1           | 1           |  | 1  | 1  |  | D412-702-059            | GROMMET KIT  |
| 9           | 5           |  | 4  | 1  | 1  | D3761-1-041             | HOOK AND LOOP STRIP (DSI 9408)                         |
|             |             |  |  |  |  | D412-702-301            | HARNESS ASSEMBLY (NEW)                                 |
| 2<br>1*     | 1*          |  | 1*   | <u> </u>   | <b> </b>   | D3573-7                 | ADAPTER  |
| 1*          | 1*          |  | 1*   |  | <del> </del>                                     | D4088-041               | SHOULDER HARNESS (NEW)                                 |
| 4*          | 4*          |  | 4*   | ļ  | <del></del>                                      | MS24693S272             | SCREW  |
| 4*          | 4*          |  | 4*   |  |  | AN960JD10LL             | WASHER   |
| 4*          | 4*          |  | 4*   |  |  | MS21042L3               | NUT  |
|             |             |  |  |  |  | D440 700 000            | HARNESS ASSEMBLY (NEW)                                 |
| 2           | 1*          |  | 1<br>1*  | ļ  |  | D412-702-303<br>D3573-8 | ADAPTER  |
| 1*          | 1*          |  | 1*   | <del></del>                                      |  | D4088-041               | SHOULDER HARNESS (NEW)                                 |
| 4*          | 4*          |  | 4*   | <del> </del>                                     | <del></del> -                                    | MS24693S272             | SCREW  |
| 4*          | 4*          |  | 4*   | <del> </del>                                     | <del>                                     </del> | AN960JD10LL             | WASHER   |
| 4*          | 4*          |  | 4*   |  |  | MS21042L3               | NUT  |
|             |             |  |  |  |  |                         | LIADNIECO ACCEMBI V (NEW)                              |
| 1           | 1           |  |  | 1  |  | D412-702-305            | HARNESS ASSEMBLY (NEW) ADAPTER                         |
| 1*          | 1*          |  |  | 1*   |  | D3573-1<br>D4088-041    | SHOULDER HARNESS (NEW)                                 |
| 1*          | 1*<br>4*    |  | <u> </u>   | 4*   | <b> </b>   | MS24693S273             | SCREW (NEW)  |
| 4*          |             |  | <u> </u>   | 4*   | <del></del>                                      | AN960JD10LL             | WASHER   |
| 4*          | 4*          |  |  | 4*   | ļ  | MS21042L3               | NUT  |
|             |             |  |  |  |  |                         |  |
| 1           | 1           |  |  |  | 1  | D412-702-307            | HARNESS ASSEMBLY (NEW)                                 |
| 1*          | 1*          |  |  |  | 1*   | D3573-3                 | ADAPTER  |
| 1*          | 1*          |  |  | ·  | 1*   | D4088-041               | SHOULDER HARNESS (NEW)                                 |
| 4*          | 4*          |  |  | <u></u>  | 4*   | MS24693S272             | SCREW  |
| 4*          | 4*          |  |  |  | 4*   | AN960JD10LL             | WASHER   |
| 4*          | 4*          |  | ļ  | ļ  | 4*   | MS21042L3               | NUT  |
| 1           | 1           | -  | <del></del>                                      | <del>                                     </del> | <del>                                     </del> | D412-702-309            | HARNESS ASSEMBLY (NEW)                                 |
| 1*          | 1*          |  | <del>                                     </del> | <u> </u>   |  | D3573-3                 | ADAPTER  |
| 1*          | 1*          | <del>                                     </del> | <del> </del>                                     | <u> </u>   | <b> </b>   | D4088-041               | SHOULDER HARNESS (NEW)                                 |
| 4*          | 4*          | <u> </u>   |  |  |  | MS24693S272             | SCREW  |
| 4*          | 4*          | <u> </u>   |  | <b> </b>   |  | AN960JD10LL             | WASHER   |
| 4*          | 4*          |  |  |  |  | MS21042L3               | NUT  |

\* denotes that part is included in assembly above

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

BY: D. SHEPHERD (DE # 02)

DATE: 10.03.22 CERT. NO.: SH04-7 ISSUE NO.: 3 continued next page...

| DESIGN     | P    | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA   |  |  |
|------------|------|--|--|--|
| DRAWN      | 9?   |  |  |  |
| CHECKED    |      | DRAWING NO.  | REV. A   |  |
| MFG. APPR. | N/A  | DSI 9511   | SHEET 3 OF 6   |  |
| APPROVED   | NO.  | TITLE  | SCALE  |  |
| DE APPR.   | -#   | NEW SHOULDER HARNESS KI  | TS NTS   |  |
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#### ... continued from previous page

| QTY<br>-341 | QTY<br>-343                                      | QTY<br>-345                                      | QTY<br>-347                                      | QTY<br>-349                                      | QTY<br>-351                                      | Part Number  | Description              |
|-------------|--|--|--|--|--|--------------|--------------------------|
| 1           |  | 1  | L  |  |  | D412-702-311 | HARNESS ASSEMBLY (NEW)   |
| 1*          |  | 1*   |  |  |  | D3570-1      | BRACKET                  |
| 1*          |  | 1*   |  |  |  | D4088-043    | SHOULDER HARNESS (NEW)   |
| 4*          |  | 4*   |  |  | ,,,,,  | MS24694S50   | SCREW                    |
| 4*          |  | 4*   |  |  |  | AN960JD10L   | WASHER                   |
| 4*          |  | 4*   |  |  |  | MS21042L3    | NUT                      |
|             |  |  |  |  |  | 2442 700 040 | LIABATECC ACCEMBLY (NEW) |
| 1           |  | 1  |  |  |  | D412-702-313 | HARNESS ASSEMBLY (NEW)   |
| 1*          |  | 1*   |  |  |  | D3570-2      | BRACKET                  |
| 1*          |  | 1*   |  | <b></b>  | ļ  | D4088-043    | SHOULDER HARNESS (NEW)   |
| 4*          |  | 4*   |  |  |  | MS24694S50   | SCREW                    |
| 4*          |  | 4*   |  |  |  | AN960JD10L   | WASHER                   |
| 4*          |  | 4*   |  |  |  | MS21042L3    | NUT                      |
| $\vdash_1$  |  |  | 1  |  |  | D412-702-315 | HARNESS ASSEMBLY (NEW)   |
| 1*          |  | <u> </u>   | 1*   |  |  | D3573-5      | ADAPTER                  |
| 1*          |  |  | 1*   |  | -  | D4088-041    | SHOULDER HARNESS (NEW)   |
| 4*          |  |  | 4*   | l  | <b>-</b>   | MS24693S272  | SCREW                    |
| 4*          | <del></del>                                      |  | 4*   | <del>                                     </del> |  | AN960JD10LL  | WASHER                   |
| 4*          |  |  | 4*   |  | l  | MS21042L3    | NUT                      |
| 1           |  |  | 1  |  |  | D412-702-317 | HARNESS ASSEMBLY (NEW)   |
| 1*          |  |  | 1*   |  |  | D3573-5      | ADAPTER                  |
| 1*          | <del>                                     </del> | <del> </del>                                     | 1*   | <del>                                     </del> |  | D4088-041    | SHOULDER HARNESS (NEW)   |
| 4.          | <del></del>                                      | <del>                                     </del> | 4*   |  |  | MS24693S272  | SCREW                    |
| 4*          | <del>                                     </del> |  | 4*   | <del> </del>                                     |  | AN960JD10LL  | WASHER                   |
| 4*          | <del></del>                                      |  | 4*   | <u> </u>   |  | MS21042L3    | NUT                      |
| 1           |  | 1  |  |  |  | D412-702-321 | HARNESS ASSEMBLY (NEW)   |
| 1*          |  | 1*   | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> | D3570-3      | BRACKET                  |
| 1*          | <del> </del>                                     | 1*   | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> | D4088-043    | SHOULDER HARNESS (NEW)   |
| 4*          |  | 4*   | <del>                                     </del> | <del></del>                                      | <del>                                     </del> | MS24694S50   | BOLT                     |
| 4*          | <del> </del> -                                   | 4*   | <del> </del>                                     |  |  | AN960JD10L   | WASHER                   |
| 4*          |  | 4*   |  |  |  | MS21042L3    | NUT                      |
| 1           |  | 1  | <u> </u>   |  |  | D412-702-323 | HARNESS ASSEMBLY (NEW)   |
| 1*          | <del> </del>                                     | 1*   |  | <b></b>  | <del> </del>                                     | D3570-4      | BRACKET                  |
| 1*          | <del>                                     </del> | 1*   | <del>                                     </del> | <b>—</b> —                                       | <del>                                     </del> | D4088-043    | SHOULDER HARNESS (NEW)   |
| 4*          | <del> </del>                                     | 4*   |  |  |  | MS24694S50   | BOLT                     |
| 4*          |  | 4*   | <b>-</b>   |  | <del>                                     </del> | AN960JD10L   | WASHER                   |
| 4*          | -  | 4*   | <del> </del>                                     |  |  | MS21042L3    | NUT                      |

<sup>\*</sup> denotes that part is included in assembly above

continued next page...

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AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

BY: D. SHEPHER D (DE # 02)

| DESIGN     | q?   | DART AEROSPACE LTD  |              |  |  |
|------------|------|---|--------------|--|--|
| DRAWN      | 97   | HAWKESBURY, ONTARIO, CA   | NADA         |  |  |
| CHECKED    | A    | DRAWING NO.   | REV. A       |  |  |
| MFG. APPR. | N/A  | DSI 9511  | SHEET 4 OF 6 |  |  |
| APPROVED   | 10   | TITLE   | SCALE        |  |  |
| DE APPR.   | -#4  | NEW SHOULDER HARNESS KITS   | S NTS        |  |  |
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| QTY<br>-341 | QTY<br>-343 | QTY<br>-345 | QTY<br>-347 | QTY<br>-349 | QTY<br>-351 | Part Number | Description     |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------|
| 2           | 2           |             |             |             |             | D3542-1     | BRACKET         |
| 7           | 3           |             | 4           | 1           |             | D3571-1     | GUIDE           |
| 2           | 2           |             |             |             |             | D3571-3     | GUIDE           |
| 2           |             | 2           |             |             |             | D3572-041   | GUIDE ASSEMBLY  |
| 12          | 6           |             | 6           | 2           |             | D3578-041   | DOUBLER         |
| 2           | 2           |             |             |             |             | D3610-041   | BRACKET         |
| 2           | 2           |             |             |             |             | D3618-1     | CAP             |
| 4           | 4           |             |             |             |             | AN4-10A     | BOLT            |
| 2           |             | 2           |             |             | 1           | AN4-16A     | BOLT            |
| 4           |             | 4           |             |             |             | AN4-25A     | BOLT            |
| 4           |             | 4           |             |             |             | AN4-27A     | BOLT (DSI 9469) |
| 2           | 2           |             |             |             |             | AN4-44A     | BOLT            |
| <u> </u>    | 2           |             |             |             |             | MS24693S274 | SCREW           |
| 3           | 3           |             | ····        | 1           |             | MS24694S56  | SCREW           |
| 10          | 2           |             | 8           |             |             | MS24694S58  | SCREW           |
| 1           | 1           |             |             | 1           |             | MS24694S60  | SCREW           |
| 26          | 6           | 20          |             |             |             | AN960JD416  | WASHER          |
| 4           | 4           |             |             |             |             | AN960JD416L | WASHER          |
| 12          | 6           | 6           |             |             |             | MS21042L4   | NUT             |
| 24          | 12          |             | 12          | 4           |             | CR3212-4-4  | RIVET           |

CANADA
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AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01

BY: D. SHEPHERD (DE # 02)

DATE: \_\_\_\_ CERT. NO.: \_\_\_ ISSUE NO.: \_\_\_ 10.03.22 SH04-7

| DESIGN     | 97   | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA  |  |  |
|------------|------|---|--|--|
| DRAWN      | 97   |   |  |  |
| CHECKED    | B    | DRAWING NO.   | REV. A   |  |
| MFG. APPR. | N/A  | DSI 9511  | SHEET 5 OF 6   |  |
| APPROVED   | 10   | TITLE   | SCALE  |  |
| DE APPR.   | -##  | NEW SHOULDER HARNESS KIT  | S NTS  |  |
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#### TABLE 3

| QTY<br>-337                                      | QTY<br>-353                                      | Part Number  | Description  |
|--|--|--------------|--|
| х  |  | D214-702-337 | Dart 5-Man 3 Point Aft Facing<br>Shoulder Harness Kit, for 214 Aircraft  |
|  | х  | D205-702-353 | Dart 4-Man 3 Point Aft Facing<br>Shoulder Harness Kit, for UH-1 Aircraft |
| 1  | 2  | D412-702-311 | HARNESS ASSEMBLY (NEW) -> SEE TABLE 2                                    |
| 1  | 2  | D412-702-313 | HARNESS ASSEMBLY (NEW)> SEE TABLE 2                                      |
| 1  |  | D412-702-321 | HARNESS ASSEMBLY (NEW) -> SEE TABLE 2                                    |
| 1  |  | D412-702-323 | HARNESS ASSEMBLY (NEW) -> SEE TABLE 2                                    |
| <del>  1</del>                                   |  | D412-702-319 | HARNESS ASSEMBLY (NEW)   |
| 1*   |  | D3925-041    | BRACKET  |
| 1*   |  | D4088-043    | SHOULDER HARNESS ASSEMBLY (NEW)  |
| 4*   |  | MS24694S50   | BOLT   |
| 4*   |  | AN960JD10L   | WASHER   |
| 4*   |  | MS21042L3    | NUT  |
|  | 1  | D3572-043    | GUIDE ASSY   |
| ļ  | 1  | D3572-043    | GUIDE ASSY   |
| 1  | <del>                                     </del> | D3920-041    | SEATBELT GUIDE ASSEMBLY  |
| 2  | <del>                                     </del> | D3920-041    | SEATBELT GUIDE   |
| 1  | 6  | AN4-16A      | BOLT   |
| <del>                                     </del> | <del>  ~~</del>                                  | AN4-21A      | BOLT   |
| 7  |  | AN4-25A      | BOLT   |
| 18   | 12   | AN960JD416   | WASHER   |
| 9  | 6  | MS21042L4    | NUT  |

<sup>\*</sup> denotes that part is included in assembly above

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

BY: D. SHEPHERD (DE # 02)

| DESIGN     | q    | DART AEROSPACE LTD   |            |  |  |
|------------|------|--|------------|--|--|
| DRAWN      | 97   | HAWKESBURY, ONTARIO, CANADA  |            |  |  |
| CHECKED    | B    | DRAWING NO.  | REV. A     |  |  |
| MFG. APPR. | N/A  | DSI 9511 SHI   | EET 6 OF 6 |  |  |
| APPROVED   | 10   | TITLE  | SCALE      |  |  |
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